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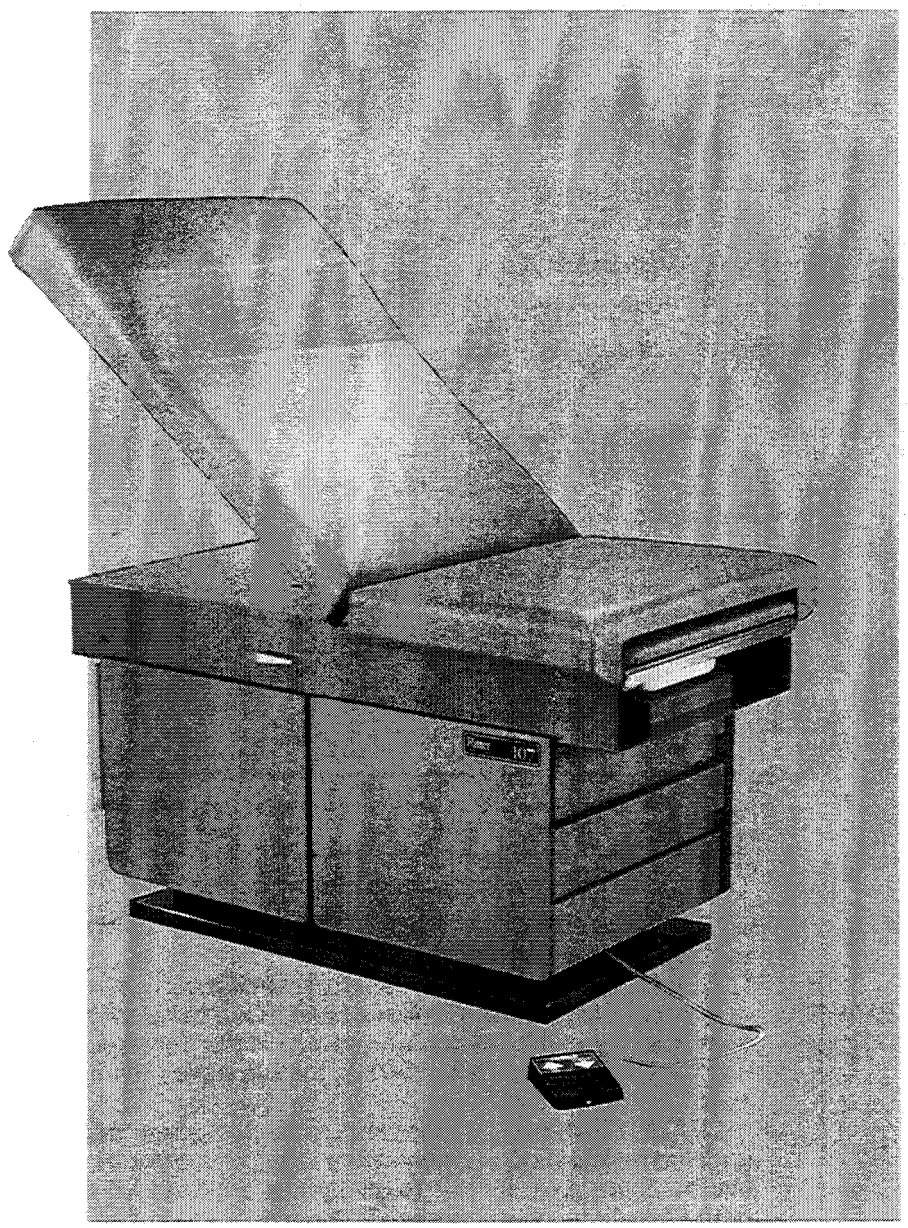
Ritter®

Installation and Operation Manual



Model 107
Clinical Examination Table

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FOR YOUR PROTECTION

THESE GOODS LEFT OUR FACTORY IN PERFECT ORDER and we hold the Carrier's Receipt for them in this condition.

IF THESE GOODS ARE DAMAGED in Transit, such damaged goods should either be refused, or not accepted until the Transportation Company's Agent has noted on the freight bill, which he will give you, the nature and extent of the damage. He is required to do this. In the same manner, if any goods are LOST in transit, have the shortage noted on the freight bill by the agent.

CONCEALED DAMAGE. If there should be damage of such nature that it could not be detected until the goods were unpacked have the Transportation Company's Agent call AT ONCE and inspect them. Require him to give you a "concealed" bad order report, stating the condition of the goods when examined. It is his duty to do this and you should INSIST upon it.

IF THE ABOVE INSTRUCTIONS ARE COMPLIED WITH we shall cheerfully render all possible assistance in establishing claims against the Transportation Companies for loss and damage in transit.

WE DO NOTACCEPTGOODS RETURNED FOR CREDIT, EXCHANGE, REPAIRS, orforanyother reason, unless you have first communicated with us and secured our written permission.

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IMPORTANT INSTRUCTIONS

SAFETY FIRST: The primary concern of Midmark Corporation is that this equipment be operated and maintained with the safety of the patient and doctor in mind. To assure safer and more reliable operation:

1. Read this manual before installing or operating your equipment.
2. It is the responsibility of the purchaser to assure that appropriate personnel are informed of the contents of this manual.
3. Be sure that you understand the instructions contained in this manual before attempting to install or operate this equipment.
4. This manual should remain permanently affixed to this equipment.

Throughout this manual are "Notes," "CAUTIONS," and **"DANGER"** warnings that call attention to particular procedures. The items are used as follows:

Note

A note is used to amplify an operating procedure, practice, or condition.

CAUTION

A CAUTION IS USED FOR AN OPERATING PROCEDURE, PRACTICE, OR CONDITION WHICH, IF NOT CORRECTLY FOLLOWED, COULD RESULT IN EQUIPMENT DAMAGE.

DANGER

A DANGER IS USED FOR AN OPERATING PROCEDURE, PRACTICE, OR CONDITION WHICH, IF NOT CORRECTLY FOLLOWED, COULD RESULT IN PERSONAL INJURY.

For your personal safety and that of your patients, all **DANGER** warnings are repeated here. Become thoroughly familiar with them and observe them at all times.

1. **DO NOT LIFT AT POINTS B, FIG. 1. THESE POINTS ARE NOT SUPPORTED AREAS. LIFTING AT THESE POINTS COULD CAUSE PERSONAL INJURY OR DAMAGE TO THE TABLE (Page 2).**
2. **DO NOT USE STIRRUPS TO LIFT OR MOVE TABLE. USING THE STIRRUPS FOR THIS PURPOSE COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE (Page 2).**
3. **USE 115 VOLT, 60 HERTZ ALTERNATING CURRENT ONLY. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE (Page 2).**
4. **DO NOT USE THIS TABLE IN AN EXPLOSIVE OR OXYGEN-ENRICHED ATMOSPHERE. USING THE TABLE IN THESE SITUATIONS COULD CAUSE PERSONAL INJURY OR EQUIPMENT DAMAGE (Page 2).**
5. **ALL EXPOSED METAL PARTS OF TABLE ARE ELEC TRICALLY GROUNDED. WHEN PERFORMING A CAUTERIZATION OR SIMILAR TREATMENT, PATIENT MUST BE INSULATED FROM THE METAL PORTIONS OF THE TABLE BY NON-CONDUCTIVE MATERIAL. FAILURE TO DO THIS COULD RESULT IN ELECTRICAL SHOCK OR BURNS TO THE PATIENT (Page 2).**
6. **IF THE TABLE MALFUNCTIONS, IMMEDIATELY REMOVE YOUR FOOT FROM THE CONTROL SWITCH, UNPLUG THE POWER CORD FROM THE WALL RECEPTACLE, AND ASSIST THE PATIENT FROM THE TABLE (Page 3).**
7. **KEEP ALL FOREIGN OBJECTS AWAY FROM THE FOOTSWITCH SO THAT THE PEDALS ARE NOT ACCIDENTALLY ACTIVATED. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR DAMAGE TO THE TABLE (Page 3).**
   a. **KEEP YOUR ARMS AND LEGS AND YOUR PATIENT'S ARMS AND LEGS CLEAR OF ALL MOVING PARTS WHEN CHANGING TABLE POSITIONS. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY (Page 3).**
9. **FAILURE TO ENGAGE LATERAL LOCKING MECHANISM COULD RESULT IN PERSONAL INJURY (Page 4).**
10. **FAILURE TO PERFORM PERIODIC INSPECTION COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE (Page 6).**

WARRANTY

IMPORTANT: FILL OUT AND MAIL THE WARRANTY REGISTRATION CARD WITH IN 7 DAYS AFTER DELIVERY OF YOUR MODEL 107 TABLE. Your Model 107 is warranted for a period of 12 months from date of delivery as specified in the "LIMITED WARRANTY" printed on the back cover. Warranty claims will be handled promptly when the Warranty Card is on file at Midmark In the event of equipment failure, immediately contact the authorized Midmark dealer who sold you the equipment. He will make the necessary warranty repairs. Do not attempt to disassemble or substitute parts of another manufacturer. Such action will void the warranty and may render operation of the equipment unsafe. THE "LIMITED WARRANTY" PRINTED ON THE BACK COVER OF THIS MANUAL IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, AND ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF THE COMPANY.

INSTALLATION AND OPERATION MANUAL FOR THE 107 MEDICAL EXAMINATION TABLE

GENERAL OPERATION AND CARE OF EQUIPMENT

INTRODUCTION

This manual covers complete instructions for the installation, operation, and normal care of Model 107 Medical Examination Table.,

The upper portion of the table top is easily adjustable from horizontal to a full chair position. The seat portion of the table top is supplied in a fixed horizontal position, but can be tilted 5° when supported by the optional pelvic lift bar.

Table height is adjusted by use of an electric-hydraulic power unit. Height may vary from 26" to 36 1/2" and is controlled by the standard footswitch.

UNPACKING AND INSTALLATION

UNPACKING: To avoid damaging the table's upholstered top or side panels, do not use a knife or other sharp object to open the packaging when unpacking. Using a 1/2" wrench, unbolt the table from the wooden shipping skid by removing two bolts located on opposite corners on the underside of the base. After unbolting, remove the chair from the skid, lifting only at Points #A, Fig. 1.

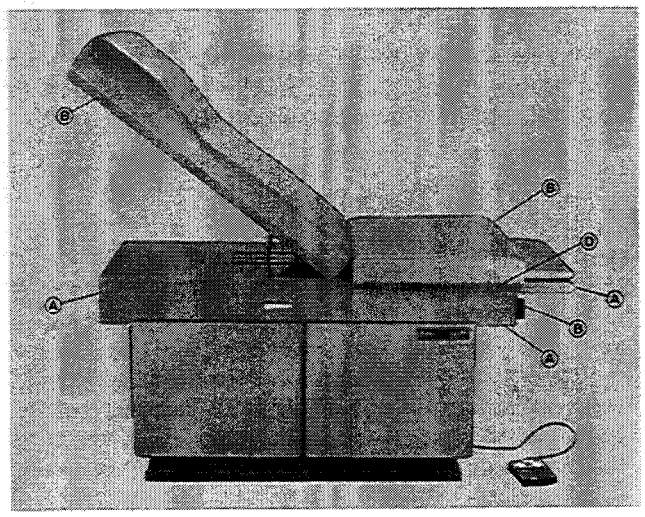

Fig. 1

LEVELING: A leveling screw is located under each corner of the table base. By adjusting these in or out, a level, solid installation can be achieved on uneven floors.

DANGER

1. **DO NOT LIFT AT POINTS B, FIG. 1. THESE POINTS ARE NOT SUPPORTED AREAS. LIFTING AT THESE POINTS COULD CAUSE PERSONAL INJURY OR DAMAGE TO THE TABLE.**

2. **DO NOT USE STIRRUPS TO LIFT OR MOVE TABLE. USING THE STIRRUPS FOR THIS PURPOSE COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.**

3. **USE 115 VOLT, 60 HERTZ ALTERNATING CURRENT ONLY. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.**

4. **DO NOT USE THIS TABLE IN AN EXPLOSIVE OR OXYGEN-ENRICHED ATMOSPHERE. USING THE TABLE IN THESE SITUATIONS COULD CAUSE PERSONAL INJURY OR EQUIPMENT DAMAGE.**

5. **ALL EXPOSED METAL PARTS OF TABLE ARE ELECTRICALLY GROUNDED. WHEN PERFORMING A CAUTERIZATION OR SIMILAR TREATMENT, PATIENT MUST BE INSULATED FROM THE METAL PORTIONS OF THE TABLE BY NON-CONDUCTIVE MATERIAL. FAILURE TO DO THIS COULD RESULT IN ELECTRICAL SHOCK OR BURNS TO THE PATIENT.**

ELECTRICAL: The electrical rating for the Model 107 table is 115 VAC, 60 Hertz, 11.5 Amperes. If the Model 107 is equipped with the optional drawer heater, the rating is 115 VAC, 60 Hertz, 12 Amperes. The three-pronged grounding plug on the table power cord must be inserted into a matched three-pronged, **GROUNDED, NON-ISOLATED, CORRECTLY POLARIZED,** 115-volt receptacle.

The single table power cord provides power for the duplex receptacle (Fig. 3, Item #A) located on the side of the table, and the optional drawer heater when supplied.

OPERATION OF TABLE POWER FEATURES

For optimal performance, allow the table to reach room temperature before operating.

Note

This equipment is not designed for continuous operation. If the unit is operated continually, a thermal overload switch will shut off the table motor. If normal operation ceases, immediately remove your foot from the control switch. The overload switch will automatically reset after the motor cools (minimum 10 minutes).

Should the unit fail to start after a cool down period, contact an authorized service center to investigate the cause of the failure.

DANGER

IF THE TABLE MALFUNCTIONS, IMMEDIATELY REMOVEYOURFOOTFROMTHECONTROL SWITCH, UNPLUG THE POWER CORD FROM THE WALL RECEPTACLE, AND ASSIST THE PATIENT FROM THE TABLE.

FOOTSWITCH CONTROLS: A cord-connected foot control is supplied with each table (Fig. 2). The foot control operates the table up/down functions and is designed for operator comfort. A firm stance may be maintained by placing your foot onto the footswitch pedal. By rocking your foot side to side, you will activate movement of the table.

DANGER

KEEP ALL FOREIGN OBJECTS AWAY FROM THE FOOTSWITCH SO THAT THE PEDALS ARE NOT ACCIDENTALLY ACTIVATED. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR DAMAGE TO THE TABLE.

DANGER

KEEP YOUR ARMS AND LEGS AND YOUR PATIENT'S ARMS AND LEGS CLEAR OF ALL MOVING PARTS WHEN CHANGING TABLE POSITIONS. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY.

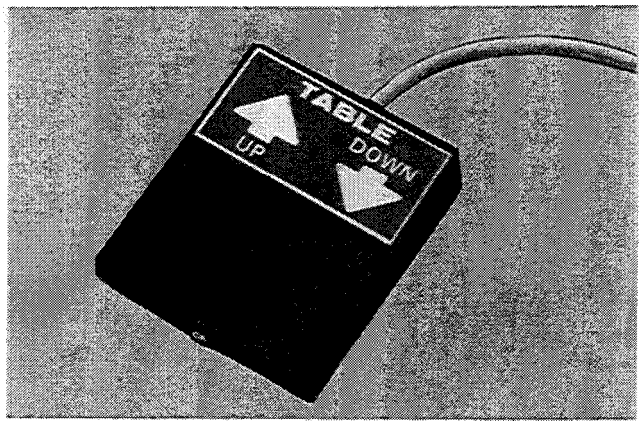

Fig. 2

PATIENT POSITIONING - MANUAL CONTROL

ADJUSTMENT OF TABLE HEIGHT: To raise table, depress left side of footswitch pedal marked "Table Up", see Fig. 2. Hold pedal down until table reaches desired height or maximum height is achieved.

To lower the table, depress the right side of footswitch pedal marked "Table Down". Hold pedal down until table reaches desired height or minimum height is achieved.

DO NOT hold control switch down after the table has reached the extreme low or extreme high position. Operation of the table for an extended period of time at either of these positions will overheat the motor.

TABLE FEATURES

ADJUSTMENT OF TOP BACK SECTION: The back can be positioned at any angle between horizontal and nearly vertical. To raise the back, simply lift in an upward direction. To lower, hold back section while actuating release handle located on side of table (Fig. 1, Item #C) and push down to desired position.

ADJUSTMENT OF (OPTIONAL PELVIC LIFT): To change the pelvic tilt to the raised position, grasp the lower edge of the seat (Fig. 3, Point #B). Raise the seat slightly until the spring-loaded support bar snaps to its full upright and locked position (Fig. 3, Item #C). Lower the seat onto the support bar.

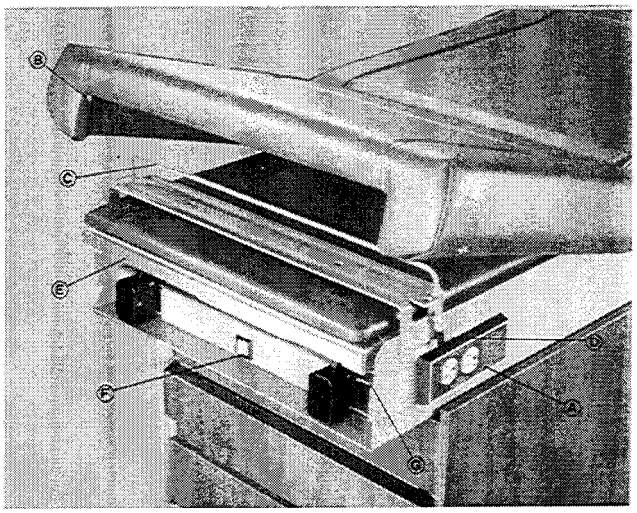

Fig. 3

To lower the pelvic tilt, grasp the lower edge of the seat (Fig. 3, Point #B). Remove the weight of the seat on the support bar. Applying pressure to the support bar (Fig. 3, Item #D), rotate the bar downward. At the same time, lower the seat to a horizontal position.

STIRRUP ADJUSTMENT: Grasp end of stirrup assembly (Fig. 4, Item #A), pull stirrups straight out of table to full extension, and unfold stirrup to an erect position as shown (Fig. 4).

LATERAL (WIDTH) ADJUSTMENT: The Model 107 has four lateral positions for both right-hand and left-hand stirrups.

To adjust lateral positioning, lift stirrup assembly at Point #A, Fig. 4, and then rotate assembly to right or left. The stirrup mechanism will "click" into position as it is rotated.

When the desired position is attained, lower stirrup (Fig. 4, Point #A) to engage width locking mechanism. Check that lateral (width) locking mechanism is engaged by attempting to rotate stirrup assembly without lifting at Point #A, Fig. 4.

EXTENSION ADJUSTMENT: Stirrup extension length is adjusted by holding stirrup at Point #A, Fig. 4, and sliding stirrup assembly in and out of the table. Check that lateral (width) locking mechanism is engaged by attempting to rotate stirrup assembly without lifting at Point #A, Fig. 4.

DANGER

FAILURE TO ENGAGE LATERAL LOCKING MECHANISM COULD RESULT IN PERSONAL INJURY.

TO STORE STIRRUPS AFTER USE: Extend stirrup assemblies to full extension, fold stirrups down against bar, rotate stirrups to Position #1, Fig. 4, and slide complete assembly into table.

FOOTREST EXTENSION: To position the footrest, grasp at Point #E, Fig. 3, and slide out to the desired position. The upholstered pad on the footrest will be moved out when the footrest is extended.

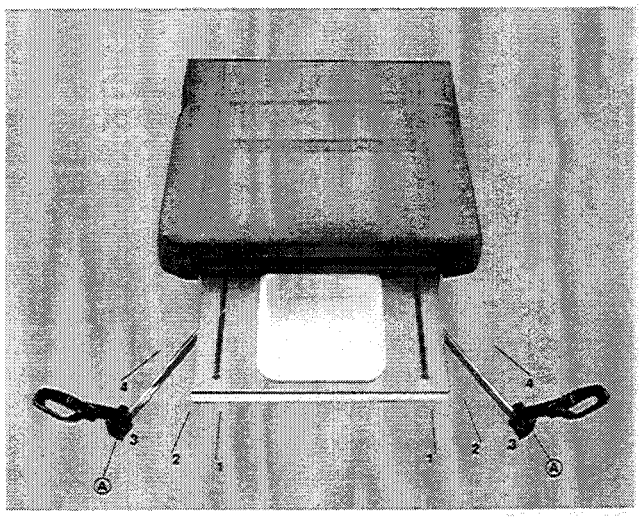

Fig. 4

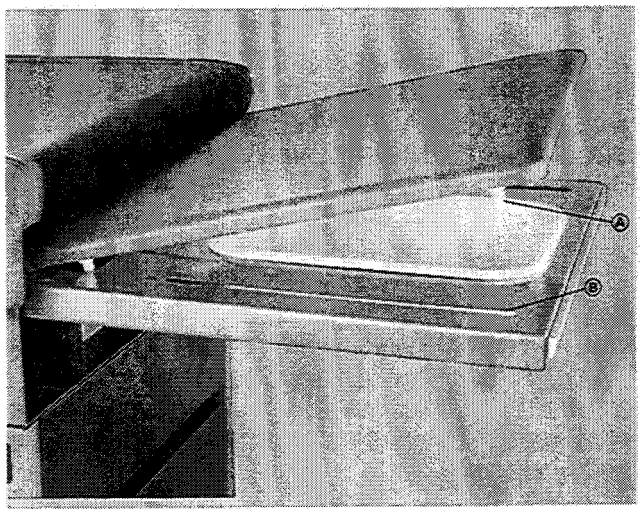

Fig. 5

The upholstered pad on the footrest may be removed for cleaning by fully extending the footrest and lifting the pad upward from the metal shelf.

To replace the footrest pad, align pad glides (Fig. 5, Item #A) with slots in footrest shelf (Fig. 5, Item #B). Place pad onto footrest shelf. Slide footrest shelf into table.

IRRIGATION PAN: To expose the irrigation pan for use, fully extend the footrest and slide the upholstered pad back into the table (Fig. 4).

The metal shelf holding the pan can then be slid back into the table to properly position pan for irrigation.

Irrigation pan can easily be removed for cleaning with metal shelf fully extended.

DRAWER HEATER (Optional): The drawer heater will preheat the contents of the top drawer in the foot end of the table to approximately body temperature.

To operate the heater, press the toggle switch (Fig. 3, Item #F). This will light the indicator lamp in the switch showing the heater is on.

CAUTION

WHEN PLACING ITEMS IN THE HEATED DRAWER, MAKE SURE THEY DO NOT EXTEND WITHIN 1 " OF THE UPPER EDGE OF THE DRAWER. DAMAGE COULD RESULT TO THE DRAWER CONTENTS.

DRAWER REMOVAL AND REPLACEMENT: To remove drawers for cleaning, pull drawer out **to** full extension, lift drawer to approximately 30 degree angle, then pull drawer out at this angle (Fig. 6).

To replace drawers, insert drawer into glides, at approximately 30 degree angle. After drawer clears stops on glide, lower drawer to horizontal position and slide into table body.

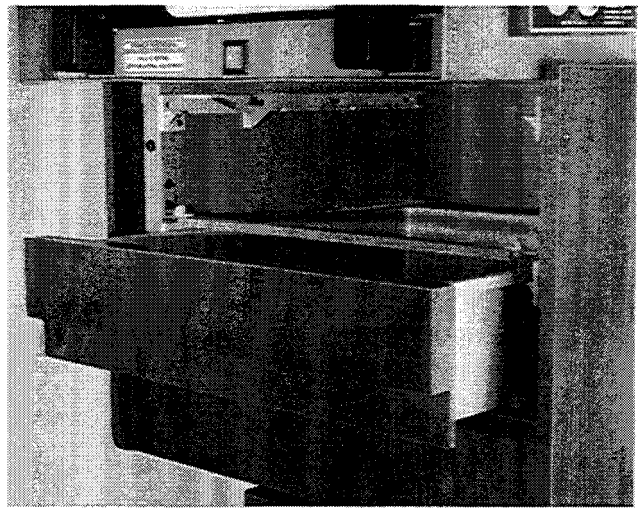

Fig. 6

PAPER ROLL: A wood dowel for supporting up to a 21" x 3 1/2" diameter paper roll is shipped in one of the drawers. By slipping the dowel through a paper roll and placing it on the two supporting sockets located under the table's back section, the paper can be positioned for dispensing over the upholstered examination surface.

INSTALLATION OF PAPER RETAINING STRAPS: Two retaining straps, shipped inside the irrigation pan, are to be installed on snaps located on sides of top cushion (Fig. 1, Item #D). These straps may have to be stretched before installation. The material will recover, becoming taut after installation.

CARE OF TABLE

CARE OF UPHOLSTERY: The upholstery material used to cover the top of the table is resistant to most medicinal-type stains but may be damaged by solvents and dyes. Regular care should be maintained by daily wiping with a damp cloth or sponge and periodic cleaning with a mild soap and water solution.

Any fluid spilled on the upholstery should be removed as quickly as possible.

In the case of stain, attempt to remove it with soap and water.

CARE OF PAINTED METAL SURFACES: All painted metal surfaces should be wiped clean with a clean, soft cloth weekly and periodic applications of paste wax made to all smooth painted surfaces to preserve the finished luster.

CARE OF MOVING PARTS: All moving parts such as the back hinge, pelvic tilt pivots, and stirrup indexing button (Fig. 3, Item #G), should be oiled occasionally with a light machine oil to help insure quiet, smooth, dependable operation.

CARE OF TREAD ON FOOTSTEP: The protective tread material may be cleaned periodically by a light scrubbing with a stiff bristle brush and mild soap and water.

MAINTENANCE

Little routine maintenance is required other than a periodic inspection of the electrical cord and hydraulic hose lines to make sure they are free of cuts or damage and a periodic inspection of the mechanical functions of the table to ensure satisfactory operation and to ensure that fasteners are tightened securely.

To assure safer and more reliable operation, periodic inspections at six month intervals by your dealer are recommended.

DANGER

FAILURE TO PERFORM PERIODIC INSPECTION COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.

LIMITED EQUIPMENT WARRANTY

The Company shall repair or replace any products or parts thereof, which prove to be defective in workmanship and/or material. Except as it may otherwise specifically agree in writing the Company shall not be liable for transportation, labor or other charges for adjustments, repairs, replacement parts, installation or other work which may be done upon or in connection with such products by the Company's authorized Dealers or others.

Any part or parts of a product to be repaired or replaced under this limited warranty must be returned to the factory f.o.b.

This warranty does not apply to any part or product which examination discloses has been misused, abused, altered or tampered with in any way. This warranty shall be in effect for a period of twelve months from the date of shipment to the customer.

In no event shall the company be liable for consequential or special damages in the event of warranty repair or replacement of its products.

THE FOREGOING IS IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, AND AU OTHER OBLIGATIONS OR LIABILITIES ON ME PART OF THE COMPANY.

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